



Naval Education and
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Training Manual
(TRAMAN)

Aerographer's Mate Second Class, Volume 1

NOTICE

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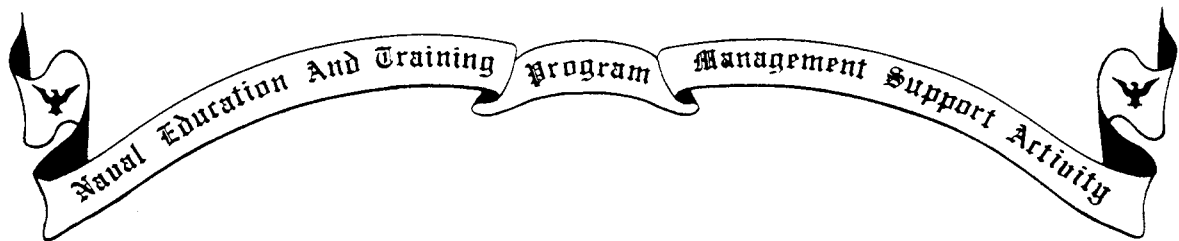
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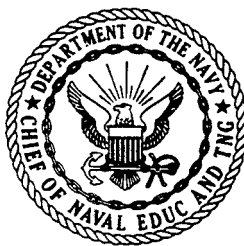
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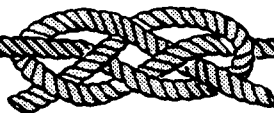


AEROGRAPHER'S MATE SECOND CLASS, VOLUME 1

NAVEDTRA 10370



*1988 Edition Prepared by
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PREFACE

This training manual (volume 1 of a 2 volume set) is one of a series of training manuals prepared for enlisted personnel of the Navy and Naval Reserve who are studying for advancement in the Aerographer (AG) rating. As indicated by the title, this manual is based upon the professional qualifications for the rate of AG2 as set forth in the *Manual of Qualifications for Advancement*, NAVPERS 18068 (Series).

The NRTC (Nonresident Training Course) is not included with this manual. Information on course administration and ordering is available in NAVEDTRA 10061.

This manual was prepared by the Naval Education and Training Program Management Support Activity, Pensacola, Florida, for the Chief of Naval Education and Training.

Your suggestions and comments on this manual are invited. Address them to Commanding Officer, Code 3102, NETPMSA, Pensacola, FL 32509-5000.

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THE UNITED STATES NAVY

GUARDIAN OF OUR COUNTRY

The United States Navy is responsible for maintaining control of the sea and is a ready force on watch at home and overseas, capable of strong action to preserve the peace or of instant offensive action to win in war.

It is upon the maintenance of this control that our country's glorious future depends; the United States Navy exists to make it so.

WE SERVE WITH HONOR

Tradition, valor, and victory are the Navy's heritage from the past. To these may be added dedication, discipline, and vigilance as the watchwords of the present and the future.

At home or on distant stations we serve with pride, confident in the respect of our country, our shipmates, and our families.

Our responsibilities sober us; our adversities strengthen us.

Service to God and Country is our special privilege. We serve with honor.

THE FUTURE OF THE NAVY

The Navy will always employ new weapons, new techniques, and greater power to protect and defend the United States on the sea, under the sea, and in the air.

Now and in the future, control of the sea gives the United States her greatest advantage for the maintenance of peace and for victory in war.

Mobility, surprise, dispersal, and offensive power are the keynotes of the new Navy. The roots of the Navy lie in a strong belief in the future, in continued dedication to our tasks, and in reflection on our heritage from the past.

Never have our opportunities and our responsibilities been greater.

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SUMMARY OF AEROGRAPHER'S MATE 2 TRAINING MANUALS

VOLUME 1

Aerographer's Mate 2, Volume 1, NAVEDTRA 10370 is designed to serve personnel in the AG rating. Subjects covered in this volume include: fundamentals of meteorology, atmospheric physics, atmospheric circulation, atmospheric phenomena, air masses, fronts, climatology, tropical meteorology, weather chart analysis, and imagery interpretation (satellite, radar, and LDATS (lightning detection and tracking system)).

VOLUME 2

Aerographer's Mate 2, Volume 2, NAVEDTRA 10371 covers the following areas: oceanography, oceanographic imalysis, fundamentals of hydroacoustics, meteorological and oceanographic products and their interpretation, special products and computations, briefing techniques, administration, supply, and publications.

NONRESIDENT TRAINING COURSES

Two separate nonresident training courses are available for study and completion. Their titles and NAVEDTRA numbers are listed below:

Aerographer's Mate 2, Volume 1, NAVEDTRA 80370

Aerographer's Mate 2, Volume 2, NAVEDTRA 80371

Just prior to this TRAMAN being printed, the World Meteorological Organization adopted “hectopascals” (hPa) as its standard unit of measurement for pressure. This TRAMAN uses the old standard of millibars (mb). Because the units of hectopascals and millibars are interchangeable ($1 \text{ hPa} = 1 \text{ mb}$) hectopascals should be substituted for millibars.

